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Atty. Docket No. P66238US0

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Hans-Georg FRANK et al. Group Art Unit: 1632

Serial No.: 09/750,021 Examiner: Unassigned

Filed: December 29, 2000

For: METHOD FOR THE IDENTIFICATION OF SUBSTANCE MIMICKING MAMMAL EPITOPES

P66238US0 - 09750021

AMENDMENT

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Official Action dated March 6, 2001, please amend the above-identified patent application as follows:

IN THE SPECIFICATION

Please replace Table 1, page 20, line 16 to the bottom of the page, with Table 1 as follows.

--Table 1: Sequences of the primers for the amplification of Vh and Vk and the overlap extension PCR

Acronym	PCR: Vh and Vk
	a) Vk
CSCVK (SEQ ID NO: 1)	5' GTGGCCCAGGCGGCCCTGACTCAGCCGTCCTCGGTGTC3'
CKJo-B (SEQ ID NO: 2)	5'CGAAGATCTAGAGGACTGACCTAGGACGGTCAGG3'
	b) Vh
CSVHo-F (SEQ ID NO: 3)	5'GGTCAGTCCTCTAGATCTTCCGCCGTGACGTTGGACGAG3'
CSCG-B (SEQ ID NO: 4)	5'CTGGCCGGCCTGGCCACTAGTGGAGGAGACGATGACTTCGGTCC3'
	Overlap extension PCR
CSC-F (SEQ ID NO: 5)	5'GAGGAGGAGGAGGAGGAGGTGGCCCAGGCGGCCGTGACTCAG3'
CSC-B (SEQ ID NO: 6)	5'GAGGAGGAGGAGGAGGAGGAGCTGGCCGGCCTGGCCACTAGTGG AGG3'

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REMARKS

By the instant amendment, SEQ ID numbers appearing in the Sequence Listing, filed concurrently herewith, are inserted into the specification.

U.S. Patent Application No.: 09/750,021
Attorney Docket No.: P66238US0

The marked up version of specification Table 1, as required, is attached, hereto.

Favorable action is requested.

Respectfully submitted,

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directions, supplied by Molecular Probes Europe B.V., Leiden, NL). After the cells have been thoroughly washed (5 x 10 minutes) to wash off any adhering residual dye which has not been integrated in the membrane, the two cell populations are mixed and commonly incubated at a low cell density in Hams F12 (10% fetal calf serum and antibiotics) under standard culturing conditions (5% carbon dioxide, 38 °C, over 90% humidity) for 24 hours. After this culturing phase, the cells were detached from the bottom of the culture dish using trypsin and suspended, and a flow cytometer was used to determine how many of the cells present have acquired double fluorescence by fusion. Figure 3 shows an example of such an evaluation of a fusion assay in a flow cytometer. Under control conditions (Figure 3a, in the presence of the non-specific phage M13), the spontaneous fusion rate is at 19%, while the GP1-specific phage clone 2 results in a decrease of the fusion rate to 11%.

Tables

Table 1: Sequences of the primers for the amplification of Vh and Vk and the overlap extension PCR

Acronym	PCR: Vh and Vk
	a) Vk
CSCVK (SEQ ID NO 1)	5´GTGGCCCAGGCGGCCCTGACTCAGCCGTCCTCGGTGTC3´
CKJo-B (SEQ ID NO 2)	5´CGAAGATCTAGAGGACTGACCTAGGACGGTCAGG3´
	b) Vh
CSVHo-F (SEQ ID NO 3)	5´GGTCAGTCCTCTAGATCTTCCGCCGTGACGTTGGACGAG3´
CSCG-B (SEQ ID NO 4)	5´CTGGCCGGCCTGGCCACTAGTGGAGGAGACGATGACTTCGGTCC3´
	Overlap extension PCR
CSC-F (SEQ ID NO 5)	5´GAGGAGGAGGAGGAGGAGGTGGCCCAGGCGGCCGTGACTCAG3´
CSC-B (SEQ ID NO 6)	5´GAGGAGGAGGAGGAGGAGGAGCTGGCCGGCCTGGCCACTAGTGG AGG3´